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*Cholera, yellow fever, plague, and smallpox, etc.—Continued.*

## SMALLPOX—Continued.

| Places.              | Date.                | Cases. | Deaths. | Remarks.           |
|----------------------|----------------------|--------|---------|--------------------|
| India:               |                      |        |         |                    |
| Bombay.....          | May 27-Sept. 26...   | .....  | 121     |                    |
| Calcutta.....        | May 13-June 10...    | .....  | 2       |                    |
| Madras.....          | May 20-Sept. 22...   | .....  | 12      |                    |
| Japan:               |                      |        |         |                    |
| Tamsui, Formosa..... | Apr. 1-June 30...    | 210    | .....   |                    |
| Madagascar:          |                      |        |         |                    |
| Tamatave.....        | Sept. 10-Sept. 16... | .....  | .....   | Smallpox reported. |
| Mexico:              |                      |        |         |                    |
| Ohihuahua.....       | July 16-Oct. 7...    | .....  | 29      |                    |
| City of Mexico.....  | June 4-Oct. 7...     | 105    | 72      |                    |
| Cuchio.....          | Sept. 29.....        | 25     | .....   |                    |
| Mulette.....         | .....do.....         | 12     | .....   |                    |
| Nuevo Laredo.....    | July 1-Aug. 26...    | .....  | 3       |                    |
| Ojenesa.....         | Sept. 29.....        | 50     | .....   |                    |
| Pilares.....         | .....do.....         | 15     | .....   |                    |
| Progreso.....        | Oct. 7.....          | 30     | .....   |                    |
| San Antonio.....     | Sept. 29.....        | 20     | .....   |                    |
| San Felipe.....      | Oct. 7.....          | 100    | .....   |                    |
| San Francisco.....   | Sept. 29.....        | 5      | .....   |                    |
| San Juan.....        | .....do.....         | 100    | .....   |                    |
| Suarez.....          | Oct. 7.....          | 40     | .....   |                    |
| Vado de Piedras..... | Sept. 29.....        | 20     | .....   |                    |
| Netherlands:         |                      |        |         |                    |
| Rotterdam.....       | July 15-July 22...   | 1      | .....   |                    |
| Russia:              |                      |        |         |                    |
| Khabarovsk.....      | Apr. 1-Apr. 30...    | 1      | .....   |                    |
| Moscow.....          | May 27-Sept. 30...   | 117    | 56      |                    |
| Odessa.....          | June 10-Oct. 7...    | 47     | 14      |                    |
| Riga.....            | June 1-June 30...    | .....  | 22      |                    |
| St. Petersburg.....  | June 3-Oct. 7...     | 106    | 34      |                    |
| Warsaw.....          | June 3-Sept. 30...   | .....  | 24      |                    |
| Scotland:            |                      |        |         |                    |
| Glasgow.....         | June 3-June 17...    | 1      | 1       |                    |
| Spain:               |                      |        |         |                    |
| Barcelona.....       | Aug. 1-Aug. 31...    | .....  | 15      |                    |
| Valencia.....        | Aug. 16-Sept. 15...  | 5      | 1       |                    |
| Straits Settlements: |                      |        |         |                    |
| Singapore.....       | Apr. 1-Sept. 9...    | .....  | 35      |                    |
| Turkey:              |                      |        |         |                    |
| Beirut.....          | June 27-July 1...    | 1      | .....   |                    |
| Erzeroum.....        | July 8-Sept. 30...   | 20     | 1       |                    |
| Smyrna.....          | May 27-Oct. 1...     | .....  | 11      |                    |
| Uruguay:             |                      |        |         |                    |
| Montevideo.....      | May 27-July 30...    | 2      | .....   |                    |

## EPIDEMIC NOTES.

[Translated in this Bureau from the "Veröffentlichungen des Kaiserlichen Gesundheitsamtes," Berlin, October 18, 1899.]

## PLAGUE.

PORTUGAL—*Oporto*.—From October 2 to October 5, 3, 4 (1 death) 4, 4, cases respectively, were officially reported; in Baguim, 1 case, 3 cases and 1 case, respectively; no deaths. On October 3 a soldier of the plague cordon fell ill under suspicious circumstances.

EGYPT.—During the official week ended October 6, 1 case was reported in the person of a 12-year old Berberiner, who on October 1 was found dead in his house. The total number of plague cases to date is 91; deaths, 45. Since the beginning of the epidemic 72,000 apartments have been disinfected.

BRITISH EAST INDIES.—During the week ended September 16 there were 89 plague deaths; preceding week, 80. In the Presidency of Bombay no considerable change has been observed in the plague situa-

tion. In the city of Poona there has been a decline in the epidemic, and in the districts of Poona, Dharwar, Ahmednagar, and Nasik a slighter decrease, while in the Belgaum and Satara districts, and in the South Mahratta States there has been an increase. In the other parts of India no decided change has been observed in the status of the epidemic. In Calcutta, 44 plague deaths were reported ; preceding week, 45.

Other advices give the following total deaths for the city of Bombay for the fourteen weeks from June 14 to September 19: 482, 513, 486, 516, 485, 610, 679, 571, 570, 593, 673, 606, 631, 670. Of these, the plague deaths were as follows: 53, 50, 43, 62, 53, 68, 64, 75, 64, 95, 96, 87, 94. The number of plague cases during the same period was as follows: 43, 46, 59, 59, 78, 73, 76, 89, 94, 86, 93, 145, 73; 113.

MADAGASCAR—*Tamatave*.—According to advices of October 6, no plague cases have been observed since September 12.

#### CHOLERA.

BRITISH EAST INDIES—*Calcutta*.—During the week ended September 16 there were 2 cholera deaths.

#### DISEASE RESEMBLING PLAGUE.

[Translated in this Bureau from La Habana Medica, September, 1899.]

Dr. Favre of Charkow, in Aksch, a province of Oriental Siberia, adjoining the Chinese frontier, states that for some years past a disease has prevailed there which is completely identical with plague in its clinical development and differs from it only that up to the present time it has never occurred in an epidemic form except in small foci, and then only as a domestic disease. The disease apparently has its origin in a species of rodent called sarbagan (*arctomys bobac*) which is indigenous to that locality. This sarbaganic plague has never so far been scientifically studied. It should now receive attention as the territory it occupies will enter into communication with the rest of the world as soon as the Siberian railway goes into operation.

#### *Rats the chief disseminators of plague.*

A London cable of October 3 says: "Dr. Manson, in the course of his inaugural address to the School for Tropical Medicine, caused a sensation by declaring that the ordinary rat is responsible for the majority of plague outbreaks. He says that rats are peculiarly subject to infection, and if one arrived at the port of London on a ship hailing from a plague port and died here the body would teem with plague bacilli. This would be eaten by other rats or fleas that would transfer themselves to other rats, which would in turn become infected with the plague. At the present juncture," he continued, "were I the responsible sanitary head of any town in Europe I would, in anticipation of this possibility, compared with which the horror and destructiveness of a general European war would be a trifle, do my utmost to have every rat, and, if possible, every mouse in my district promptly exterminated." In view of Dr. Manson's position and reputation, for it was he who first suggested that mosquitoes are responsible for malaria, the papers seriously discussed and the idea started for a universal raid on rats in all the large seaports of England.